

## ABSTRACT

[00083] The present invention relates to discovery and isolation of a biologically pure culture of a *Bacillus odysseyi* isolate with high adherence and sterilization resistant properties. *B. odysseyi* is a round spore forming *Bacillus* species that produces an exosporium. This novel species has been characterized on the basis of phenotypic traits, 16S rDNA sequence analysis and DNA–DNA hybridization. According to the results of these analyses, this strain belongs to the genus *Bacillus* and the type strain is 34hs-1<sup>T</sup> (=ATCC PTA-4993<sup>T</sup>=NRRL B-30641<sup>T</sup>=NBRC 100172<sup>T</sup>). The GenBank accession number for the 16S rDNA sequence of strain 34hs-1<sup>T</sup> is AF526913.